

Docket No. 740756-2591

Serial No. 10/743,337

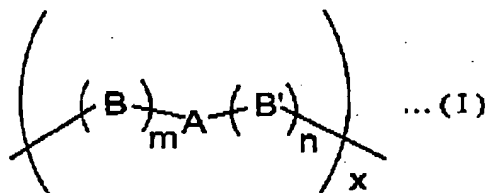
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AMENDMENTS TO THE CLAIMS:

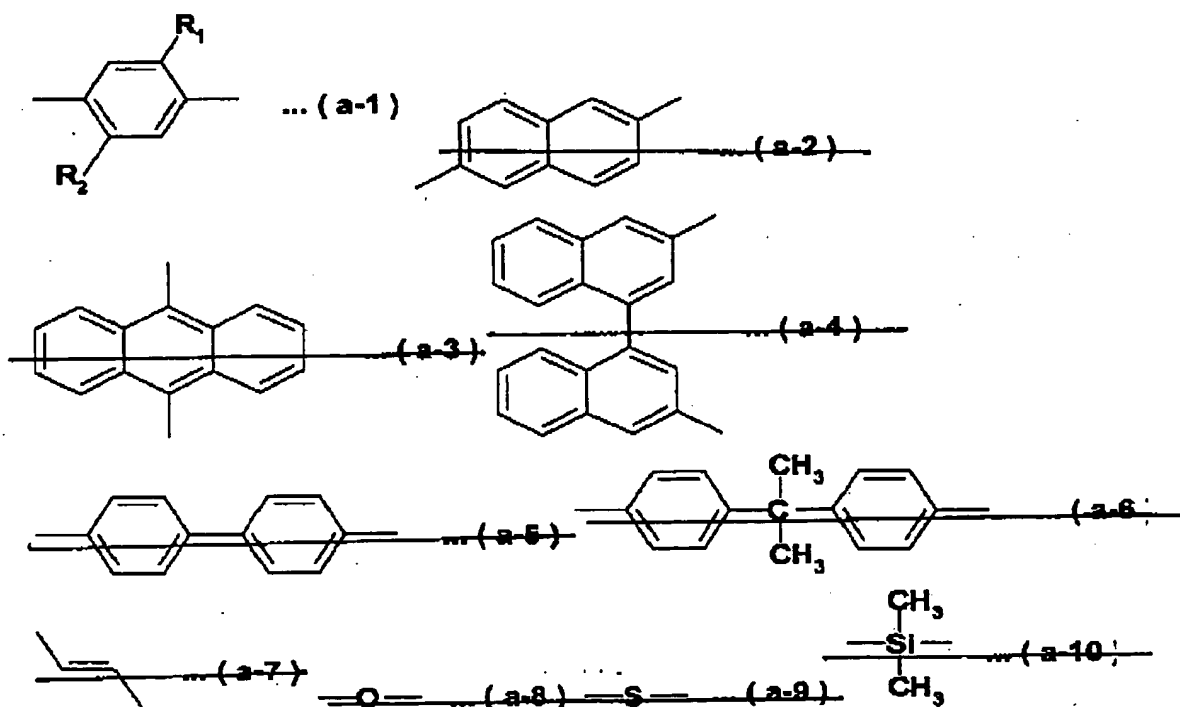
This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A polymer having the following general formula as a repeating unit[[]]:

(Formula I)



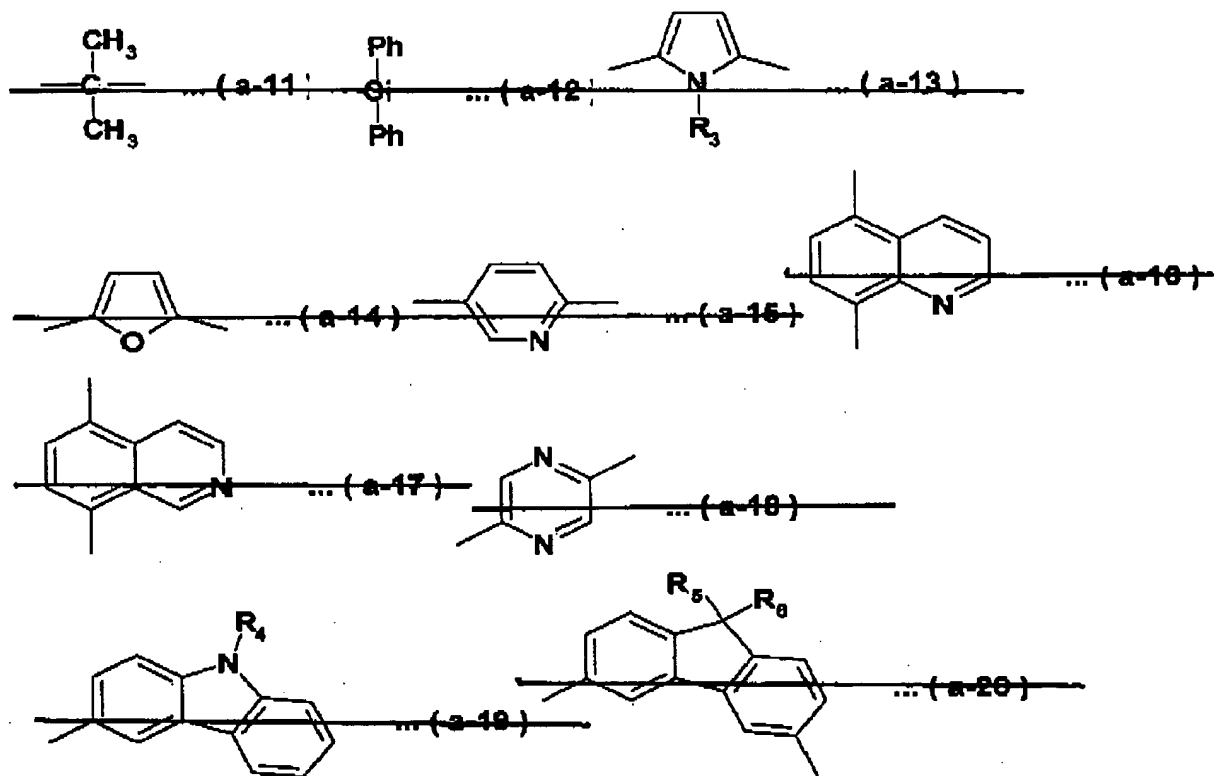
[In where in the general formula (I), m and n are 1 or 2, A is any of the following (a-1) to (a-20), and B and B' are identical or different, and are either (b-1) or (b-2)][[]]:



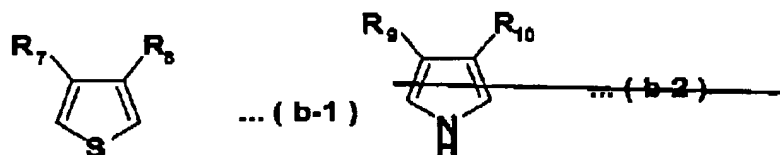
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(R_1 and R_2 of (a-1) and R_5 and R_6 of (a-20) are identical or different, and R_1 to R_6 and R_2 are a hydrogen atom, a ~~hologen~~ halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom); and



(R_7 and R_8 of (b-1) and R_9 and R_{10} of (b-2) are respectively identical or different, and R_7 to R_{10} and R_8 are a hydrogen atom, a ~~hologen~~ halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom).}

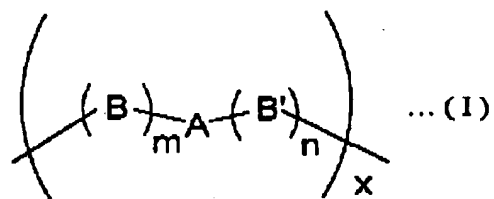
2. (Currently Amended) An electroluminescent device having a layer including a polymer having a repeating unit represented by the following general formula (I) between a pair of electrodes[[-.]]:

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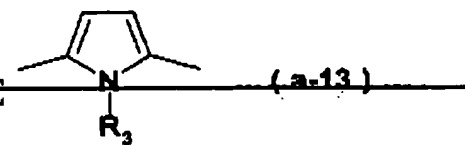
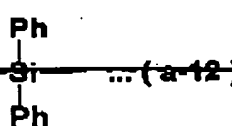
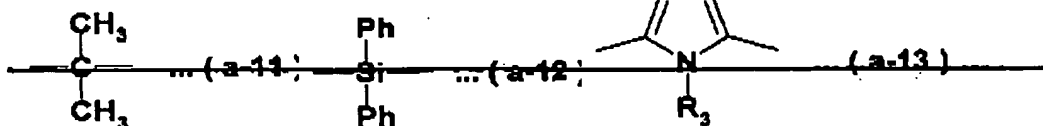
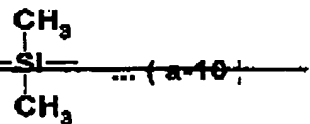
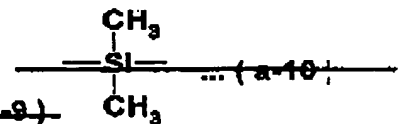
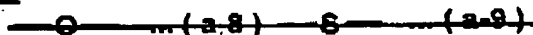
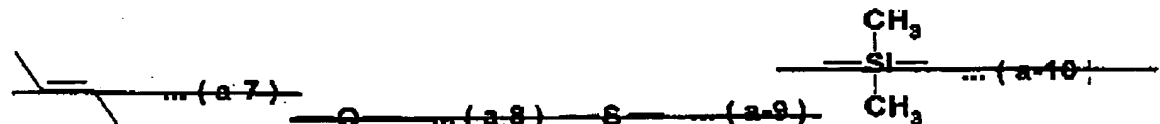
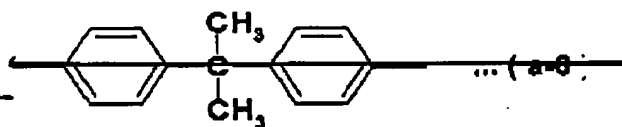
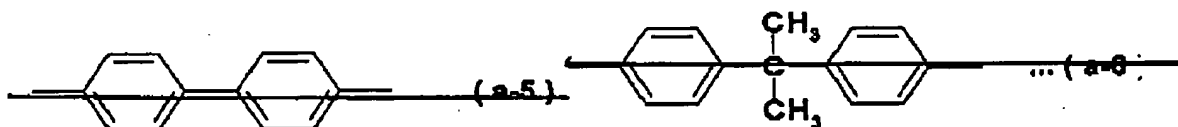
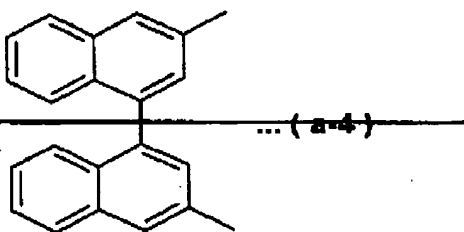
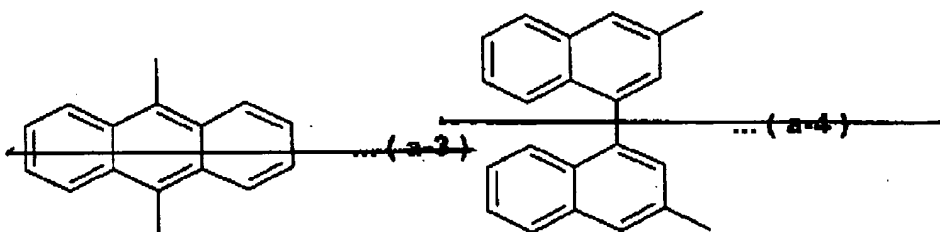
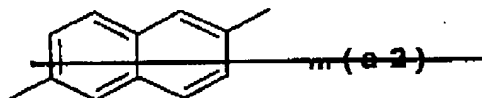
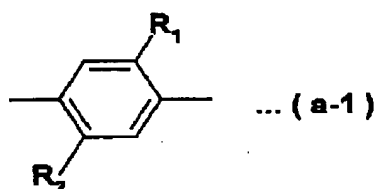
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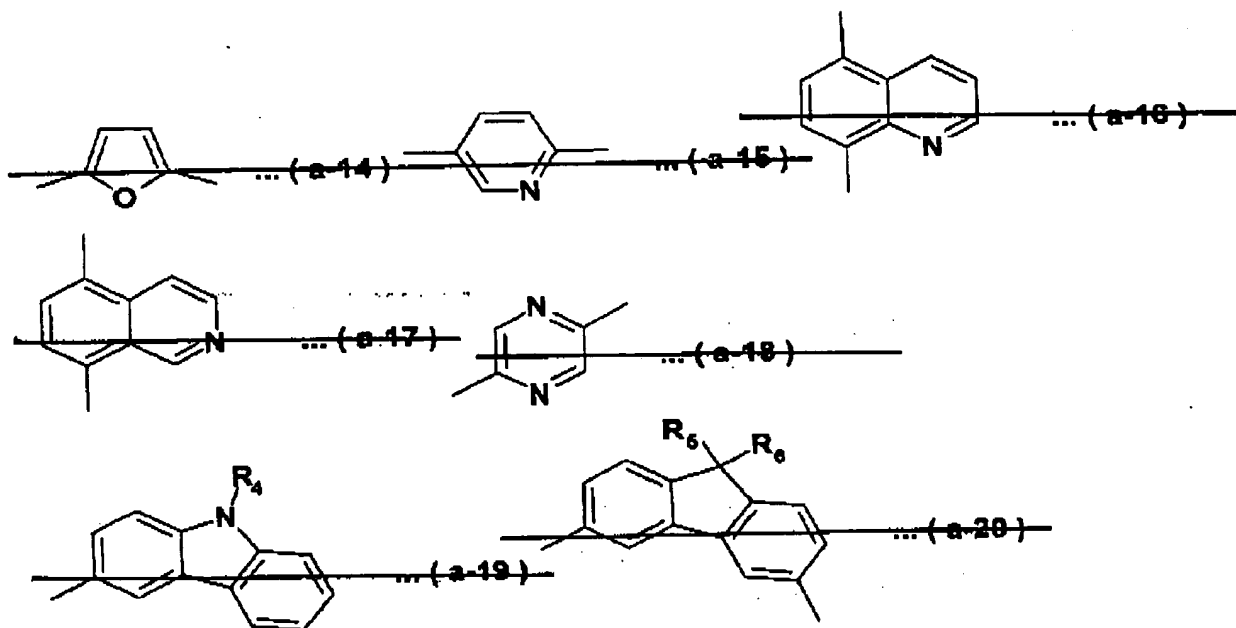
(Formula I)



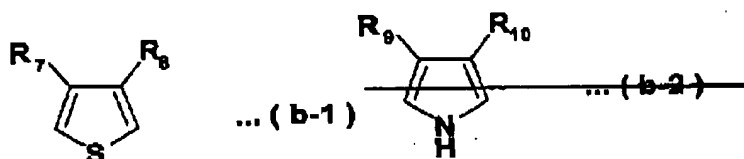
where in the general formula (I), m and n are 1 or 2, A is any of the following (a-1) to (a-20), and B and B' are identical or different, and are either (b-1) or (b-2)[[.]]:



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(R_1 and R_2 of (a-1) and R_4 and R_5 of (a-20) are identical or different, and R_1 to R_6 and R_2 are a hydrogen atom, a halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.) and



(R_7 and R_8 of (b-1) and R_9 and R_{10} of (b-2) are respectively identical or different, and R_7 to R_{10} and R_3 are a hydrogen atom, a halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.)}

3. (Currently Amended) The light-emitting device according to claim 1 or 2, wherein the layer including the polymer is a layer formed by electrolytic polymerization.

4. (Currently Amended) A light-emitting device having a plurality of electroluminescent devices,
 wherein each of the plurality of electroluminescent devices has an opposed pair of

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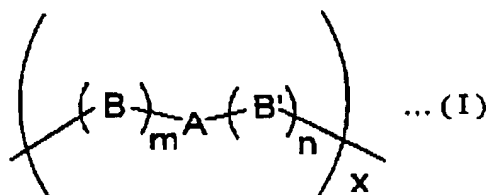
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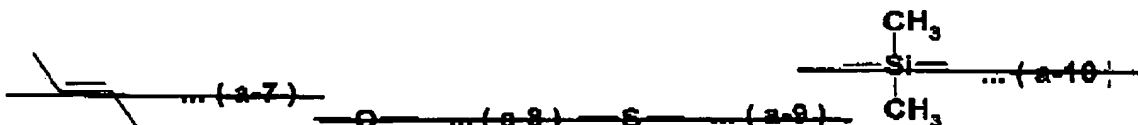
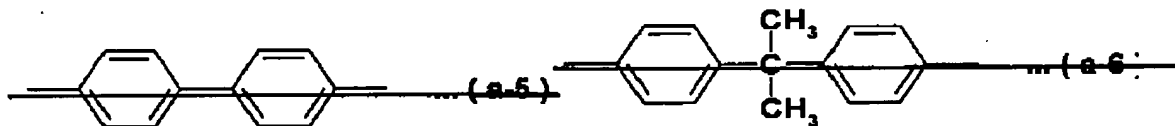
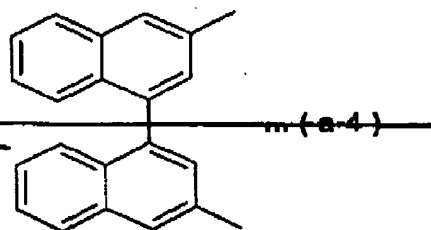
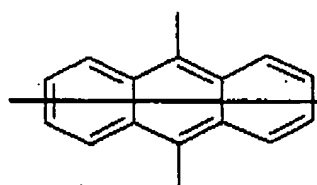
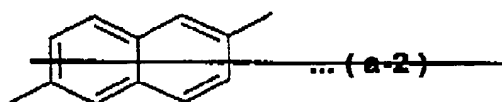
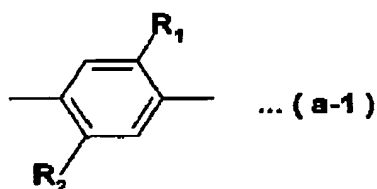
electrodes and a layer including a polymer, which is formed between the pair of electrodes,
and

wherein the polymer is a compound having a repeating unit represented by the
following general formula (I)[[.]]:

(Formula I)



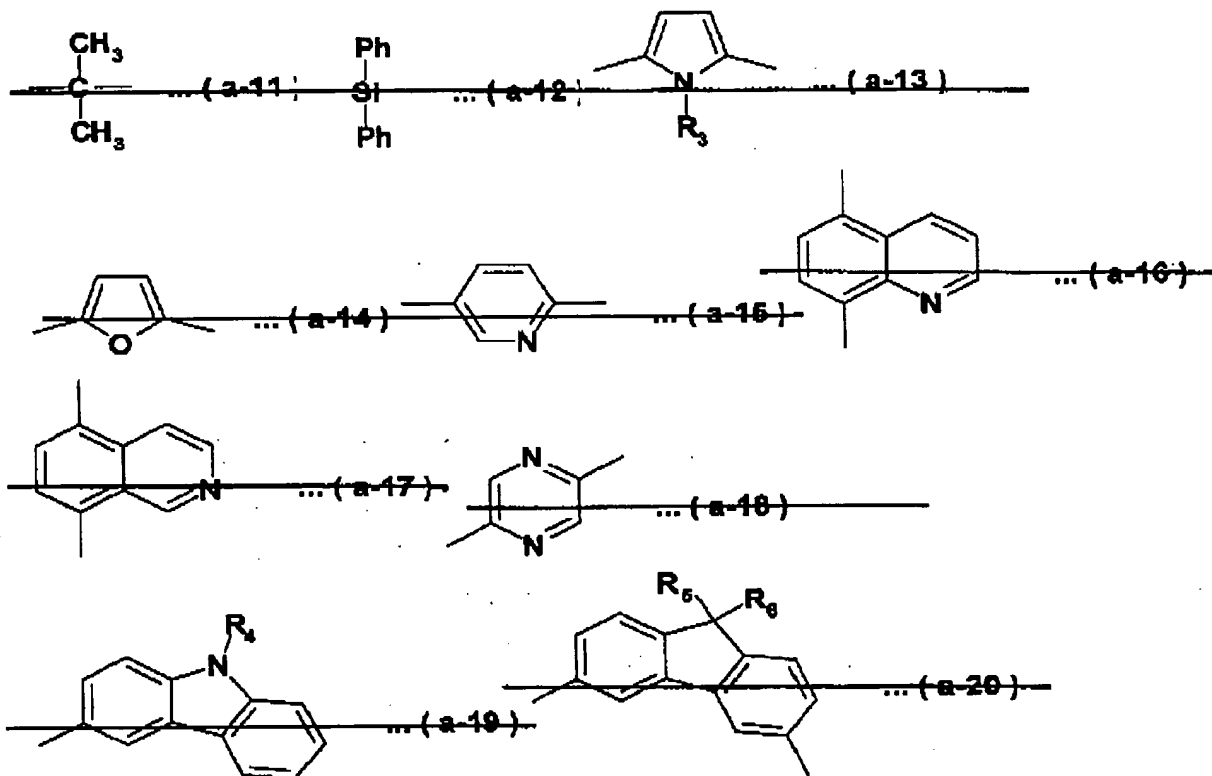
where in the general formula (I), m and n are 1 or 2, A is any of the following (a-1) to (a-20), and B and B' are identical or different, and are either (b-1) or (b-2)[[.]]:



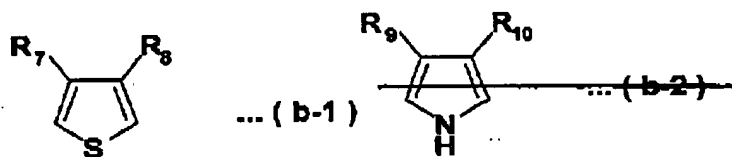
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(R₁ and R₂ of (a-1) and R₆ and R₈ of (a-20) are identical or different, and R₁ to R₈ and R₉ are a hydrogen atom, a halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.); and



(R₇ and R₈ of (b-1) and R₉ and R₁₀ of (b-2) are respectively identical or different, and R₇ to R₁₀ and R₈ are a hydrogen atom, a halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.}}

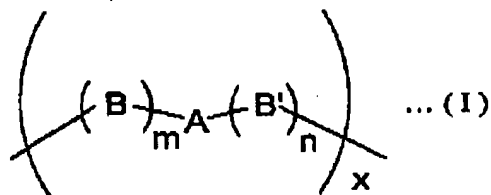
5. (Original) The light-emitting device according to claim 4, wherein at least one of the plurality of electroluminescent devices has the polymer which is different from those of

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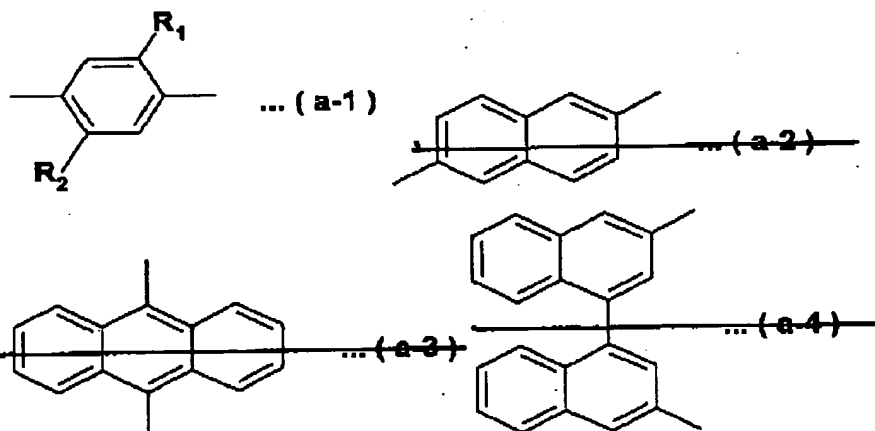
the other electroluminescent devices.

6. (Currently Amended) A light-emitting device ~~having~~ comprising:
- a substrate having an insulating surface;
 - a plurality of stripe-shaped first electrodes formed at the insulating surface of the substrate;
 - a layer including a polymer, which is formed on each of the plurality of first electrodes; and
 - a plurality of stripe-shaped second electrodes arranged to be orthogonal to the first electrodes, which are formed on the plurality of layers including the polymer,
- wherein the polymer is a compound having a repeating unit represented by the following general formula (I)[[.]]:

(Formula I)



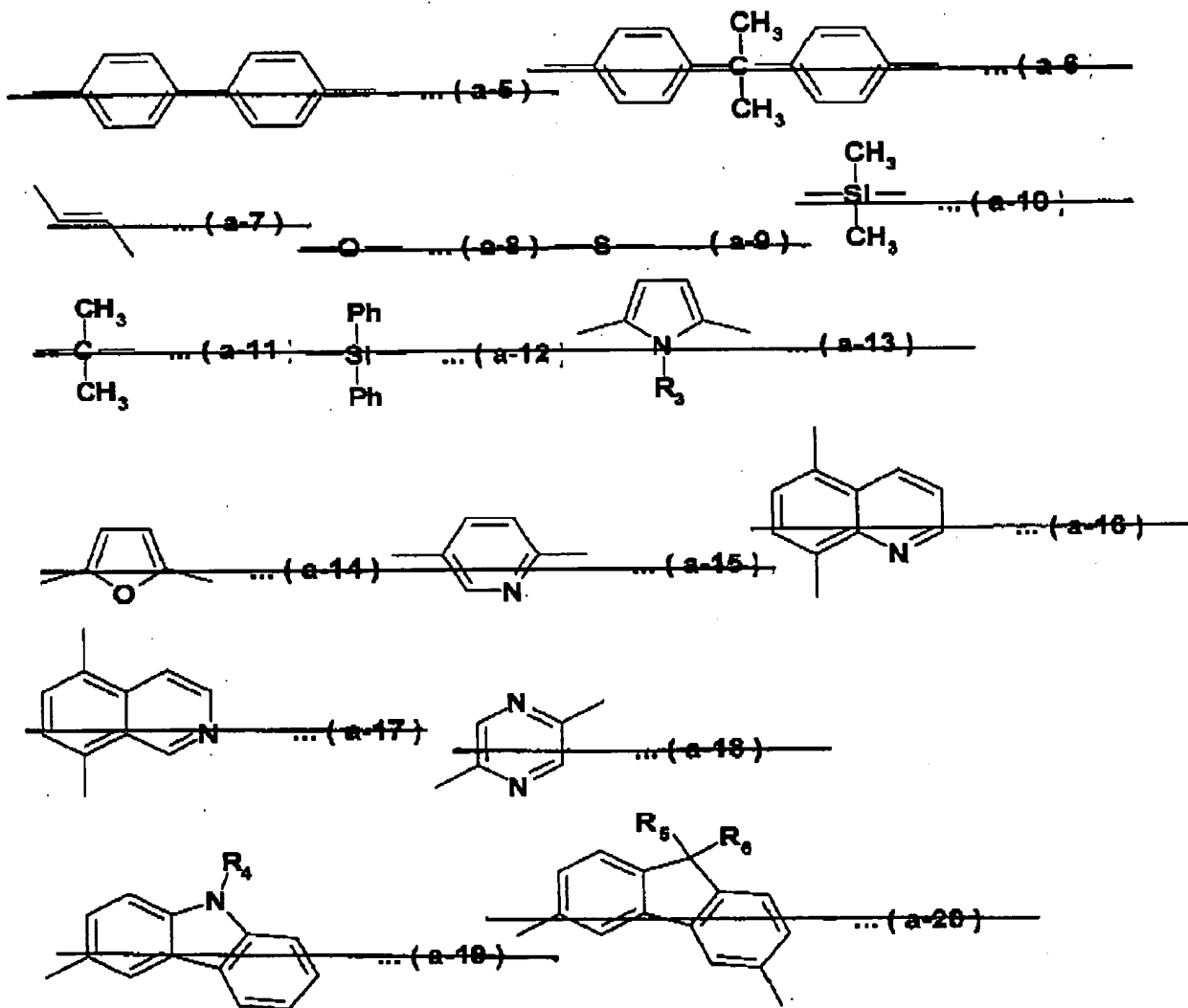
~~Ha where~~ where in the general formula (I), m and n are 1 or 2, A is ~~any of the following (a-1) to (a-20), and B and B' are identical or different, and are either (b-1) or (b-2)[[.]]:~~



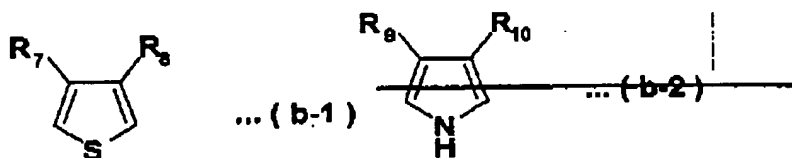
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(R₁ and R₂ of (a-1) and R₅ and R₆ of (a-20) are identical or different, and R₁ to R₆ and R₂ are a hydrogen atom, a halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom); and



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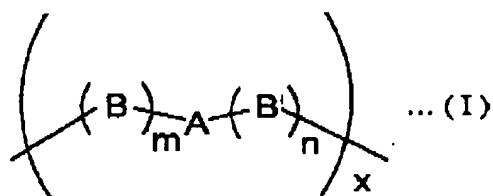
(R_7 and R_8 of (b-1) and R_9 and R_{10} of (b-2) are respectively identical or different, and R_7 to R_{10} and R_8 are a hydrogen atom, a halogen halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.}}

7. (Currently Amended) The light-emitting device according to claim 6, wherein at least one of the plurality of layers including the polymer ~~has the polymer which~~ is different from those of the other layers including the polymer.

8. (Currently Amended) The light-emitting device according to claim 6 ~~or 7~~, wherein the layers including the polymer are layers formed by electrolytic polymerization.

9. (Currently Amended) A light-emitting device ~~having~~ comprising:
 a substrate having an insulating surface;
 a plurality of first electrodes formed at the insulating surface of the substrate;
 a layer including a polymer, which is formed on each of the plurality of first electrodes; and
 a second electrode opposed to each of the plurality of first electrodes with the plurality of layers including the polymer interposed in between,
 wherein polymer is a compound having a repeating unit represented by the following general formula (I)[[.]]:

(Formula I)

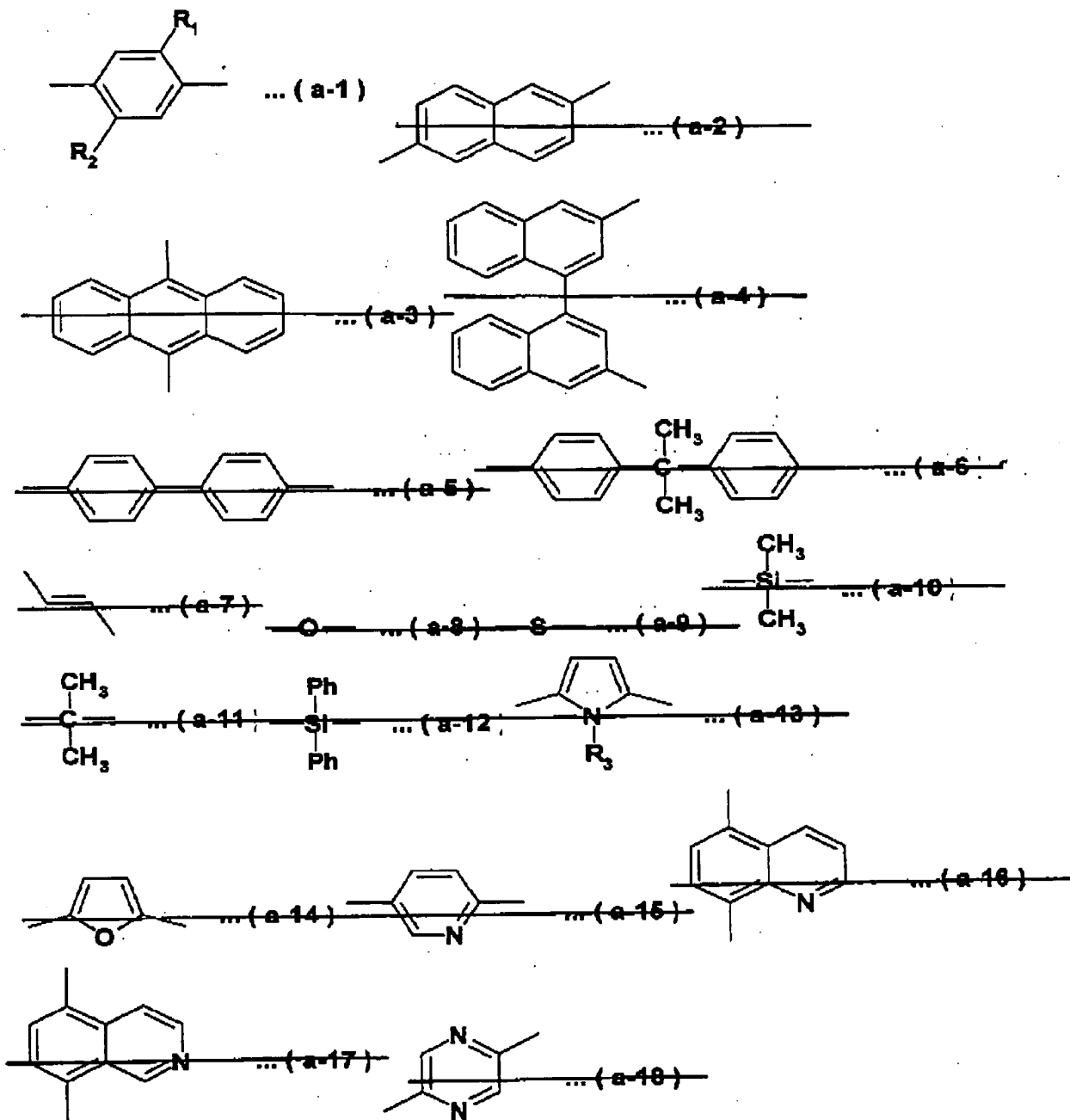


~~In where in~~ the general formula (I), m and n are 1 or 2, A is ~~any of the following (a-1) to (a-20)~~, and B and B' are identical or different, and are ~~either (b-1) or (b-2)~~[[.]]:

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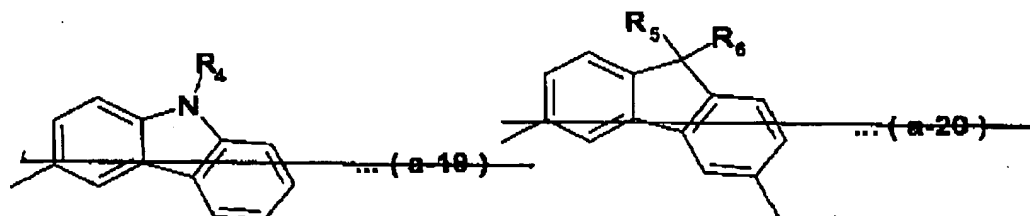
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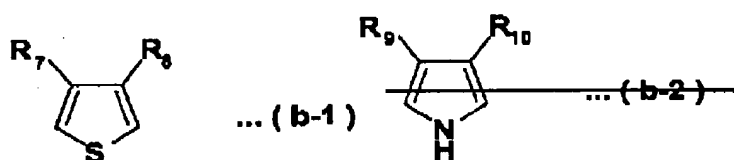
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(R_1 and R_2 of (a-1) and R_3 and R_6 of (a-20) are identical or different, and R_1 to R_6 and R_2 are a hydrogen atom, a ~~helegen~~ halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.); and



(R_7 and R_8 of (b-1) and R_9 and R_{10} of (b-2) are respectively identical or different, and R_7 to R_{10} and R_8 are a hydrogen atom, a ~~helegen~~ halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.}}

10. (Currently Amended) The light-emitting device according to claim 9, wherein at least one of the plurality of layers including the polymer has ~~the included polymer which is~~ different from those of the other layers including the polymer.

11. (Currently Amended) A light-emitting device having a plurality of first to third pixels that emit light in different colors from each other on a substrate having an insulating surface, ~~having~~ comprising:

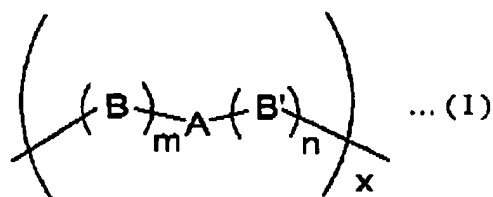
- a plurality of first electrodes;
 - a layer including a polymer, which is formed on each of the plurality of first electrodes; and
 - a second electrode opposed to the plurality of first electrodes, which is formed on the layer including the polymer,
- wherein the first electrode is provided with respect to each of the plurality of first to third pixels, and the second electrode is provided in common with the plurality of first to

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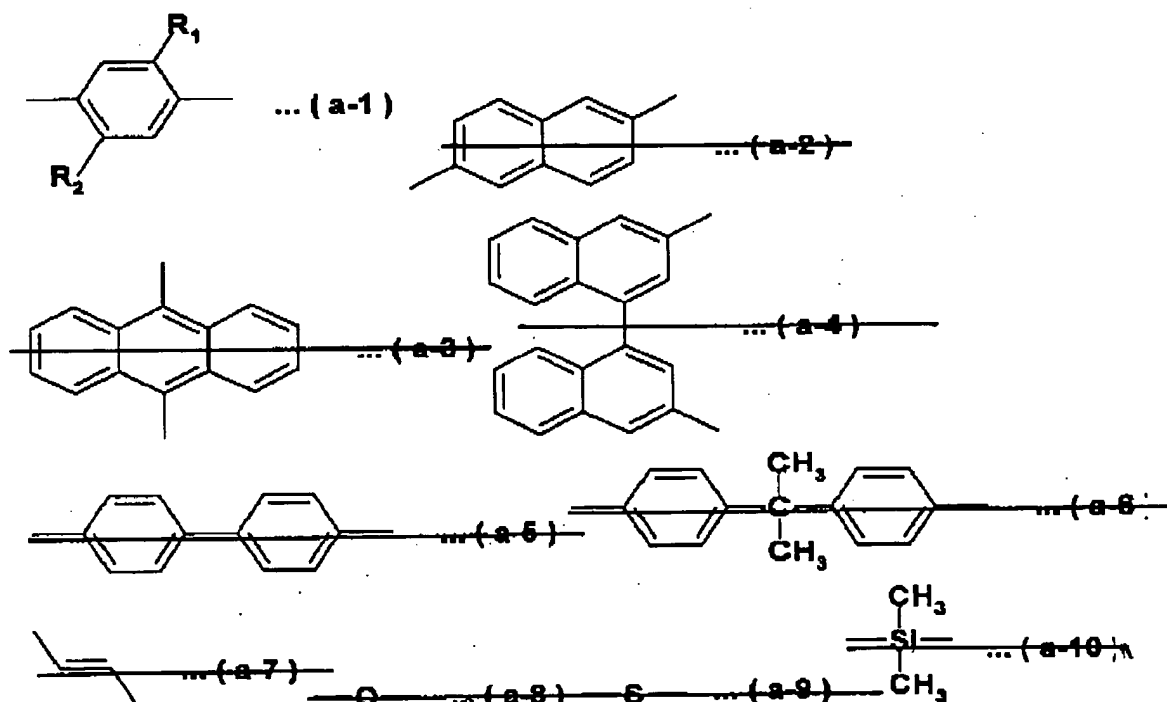
third pixels, and

wherein the polymer is a compound that has a repeating unit represented by the following general formula (I), and the polymer of the layer including the polymer is different from each other in the first to third pixels[[.]]:

(Formula I)



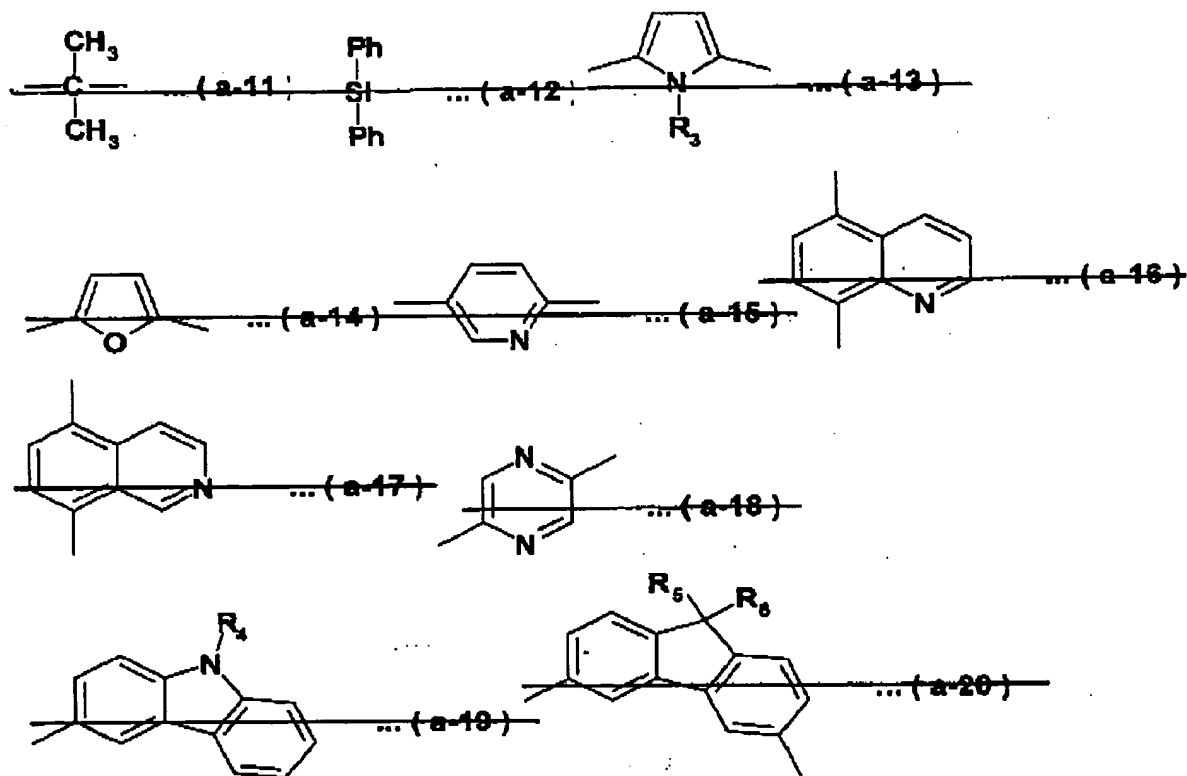
[[n where in the general formula (I), m and n are 1 or 2, A is any of the following (a-1) to (a-20), and B and B' are identical or different, and are either (b-1) or (b-2)]]:



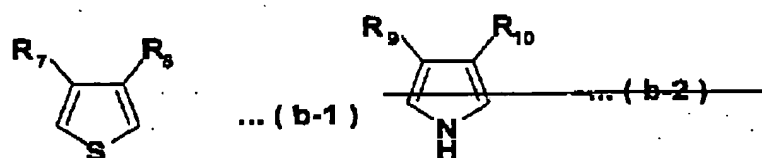
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(R₁ and R₂ of (a-1) and R₅ and R₆ of (a-20) are identical or different, and R₁ to R₆ and R₂ are a hydrogen atom, a ~~halogen~~ halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.)} and



(R₇ and R₈ of (b-1) and R₉ and R₁₀ of (b-2) are respectively identical or different, and R₇ to R₁₀ and R₈ are a hydrogen atom, a ~~halogen~~ halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.)}

12. (Currently Amended) The light-emitting device according to ~~any one of claims~~ claim 9 to 11, wherein the layer including the polymer is a layer formed by electrolytic polymerization.

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13. (Currently Amended) The light-emitting device according to ~~any one of claim 9 to claim 11, has~~ said device further comprising a plurality of data signal lines, ~~the~~ a plurality of scan signal lines, and a plurality of nonlinear elements connected to one of the data signal lines and one of the scan signal lines, wherein the plurality of first electrodes are respectively the nonlinear elements.

14. (Original) The light-emitting device according to claim 13, wherein at least a thin film transistor is used as the nonlinear elements.

15. (New) The light-emitting device according to claim 2, wherein the layer including the polymer is a layer formed by electrolytic polymerization.

16. (New) The light-emitting device according to claim 7, wherein the layers including the polymer are layers formed by electrolytic polymerization.

17. (New) The light-emitting device according to claim 10, wherein the layer including the polymer is a layer formed by electrolytic polymerization.

18. (New) The light-emitting device according to claim 11, wherein the layer including the polymer is a layer formed by electrolytic polymerization.

19. (New) The light-emitting device according to claim 10, said device further comprising a plurality of data signal lines, a plurality of scan signal lines, and a plurality of nonlinear elements connected to one of the data signal lines and one of the scan signal lines, wherein the plurality of first electrodes are respectively the nonlinear elements.

20. (New) The light-emitting device according to claim 11, said device further comprising a plurality of data signal lines, a plurality of scan signal lines, and a plurality of nonlinear elements connected to one of the data signal lines and one of the scan signal lines, wherein the plurality of first electrodes are respectively the nonlinear elements.

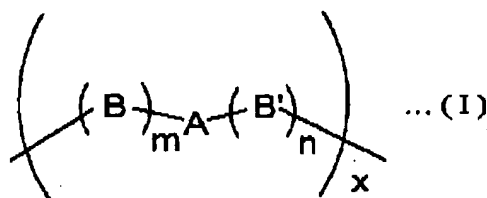
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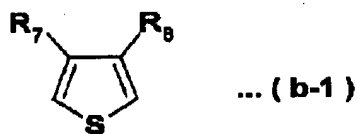
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21. (New) A polymer having the following general formula as a repeating unit:

(Formula I)



where in the general formula (I), m and n are 1 or 2, A is a moiety comprising an hydrocarbon moiety, and B and B' are identical, and are (b-1); and



R₇ and R₈ of (b-1) are respectively identical or different; and R₇ and R₈ are a hydrogen atom, a halogen atom, or an organic substituent that may include an oxygen atom, a sulfur atom or a nitrogen atom.